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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

<b>Application Number</b>	10/028,542
<b>Filing Date</b>	December 19, 2001
<b>First Named Inventor</b>	Gil, et al.
<b>Title</b>	Supply Chain Management
<b>Art Unit</b>	3623
<b>Examiner Name</b>	JEANTY, ROMAIN
<b>Attorney Docket Number</b>	21-013

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:

68495

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Signature

Name

Mark Croll

Date

August 27, 2007

Telephone

847-657-4073

Title and Company

Vice President, Patents &amp; Technology

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Illinois Tool Works Inc.

Application No./Patent No./Control No. 10/028,542 Filed/Issue Date: December 19, 2001

Entitled: Supply Chain Management

Illinois Tool Works Inc., a corporation  
(Name of Assignee) (Type of Assignee: corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a true copy of the original assignment is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Gil, et al. To: WORLDCHAIN, INC.  
The document was recorded in the United States Patent and Trademark Office at  
Reel 012416, Frame 0562, or for which a copy thereof is attached.
2. From: WORLDCHAIN, INC. To: OPTUM, INC.  
The document was recorded in the United States Patent and Trademark Office at  
Reel 014742, Frame 0740, or for which a copy thereof is attached.
3. From: OPTUM, INC. To: Illinois Tool Works Inc.  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☒ Additional documents in the chain of title are listed on a supplemental sheet.

**As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.**

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

  
Signature

Mark Croll

Printed or Typed Name

Vice President, Patents & Technology  
Title

August 27, 2007

Date

847-657-4073

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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MAR 04 2002

SKJERVEN, MORRILL, MACPHERSON,  
LLP

M-11736 US

FEBRUARY 25, 2002

PTAS

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov

SKJERVEN MORRILL MACPHERSON LLP  
PHILIP W. WOO  
THREE EMBARCADERO, SUITE 2800  
SAN FRANCISCO, CA 94111



\*101936638A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/19/2001

REEL/FRAME: 012416/0562  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
GIL, REYNALDO

DOC DATE: 12/18/2001

ASSIGNOR:  
GANGOPADHYAY, DIPAYAN

DOC DATE: 12/18/2001

ASSIGNOR:  
ZHOU, JAY

DOC DATE: 12/18/2001

ASSIGNOR:  
GORDON, SIMEON

DOC DATE: 12/13/2001

ASSIGNOR:  
NAYAK, SANDEEP

DOC DATE: 12/18/2001

ASSIGNEE:  
WORLDCHAIN, INC.  
39141 CIVIC CENTER DRIVE, SUITE  
220  
FREMONT, CALIFORNIA 94538

ATTORNEY: PAW M-11736 US  
Assignment F/U removed  
ACTION: \_\_\_\_\_ DUE: \_\_\_\_\_  
ACTION: \_\_\_\_\_ DUE: \_\_\_\_\_  
ACTION: \_\_\_\_\_ DUE: \_\_\_\_\_  
DOCKETED BY: B DATE: 7-15-02  
FORM LETTER: YES/NO

012416/0562 PAGE 2

SERIAL NUMBER: 10028542  
PATENT NUMBER:

FILING DATE: 12/19/2001  
ISSUE DATE:

MARCUS KIRK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

08-08-2002



101936638

ATTORNEY DOCKET NO: M-11736 US

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEFR SHEET  
ILY

TO THE HONORABLE DIRECTOR, UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

## 1. Name of conveying party(ies):

(a) Reynaldo Gil, Dipayan Gangopadhyay, Jay Zhou, Simeon Gordon, and Sandeep Nayak

Additional name(s) of conveying party(ies) attached?

MRD 12/19/01

☐ Yes☒ No

## 2. Name and address of receiving party:

Name: WorldChain, Inc.

Street Address: 39141 Civic Center Drive, Suite 220

City: Fremont

CA

94538

Country: United States

11002 U.S. PTO  
10/028542  
12/19/01

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other {Enter Description}

Execution Date: December 18, 2001

## Name and address of receiving party(ies):

Name: {Enter Name}

Street Address: {Enter Street Address}

City: {City}

State: {State}

Zip: {Zip}

Country: {Country}

Additional name(s) &amp; address(es) attached?

☐ Yes☐ No

## Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: December 18, 2001.

## A. Patent Application No.(s) Not yet assigned

Title: Supply Chain Management

10028542

Additional numbers attached?

☐

Yes

☒

No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: PHILIP W. WOO

Internal Address: SKJERVEN MORRILL MacPHERSON LLP

Street Address: THREE EMBARCADERO, SUITE 2800

City SAN FRANCISCO

State CA

Zip

94111

## 7. Total fee (37 CFR 3.41):

\$40.00

☒

Authorized to be charged to Deposit Account 19-2386

☒

Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid

01/07/2002 BYRNE 00000116 192386 10028542

01 FC:581

40.00 CH

DO NOT USE THIS SPACE

## 8. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Philip W. Woo

Name of Person Signing

Signature

12/19/01

Date

Total number of pages including cover sheet, attachments, and documents: {Enter Total Number Of Pages}

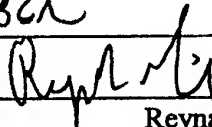
## ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we  
Reynaldo Gil, Dipayan Gangopadhyay, Jay Zhou, Simeon Gordon, and Sandeep Nayak  
hereby sell, assign and transfer to WorldChain, Inc. a Delaware corporation, having a place of  
business at 39141 Civic Center Drive, Ste. 220, Fremont, California 94538, its successors and  
assigns, the entire right, title and interest throughout the world in our invention in:

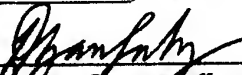
### SUPPLY CHAIN MANAGEMENT

for which we have executed a United States patent application on or about the date of this  
assignment, and all patent applications and patents of every country for said invention,  
including divisions, reissues, continuations and extensions thereof, and all rights of priority  
resulting from the filing of said applications; we authorize the above-named assignee to apply  
for patents of foreign countries for said invention, and to claim all rights of priority without  
further authorization from us; we agree to execute all papers useful in connection with said  
United States and foreign applications, and generally to do everything possible to aid said  
assignee, their successors, assigns and nominees, at their request and expense, in obtaining  
and enforcing patents for said invention in all countries; and we request that the United States  
Patent and Trademark Office issue all patents granted for said invention to the above-named  
assignee, its successors and assigns.

Executed this 18 day of DECEMBER, 2001.

  
Reynaldo Gil

Executed this 18 day of December, 2001.

  
Dipayan Gangopadhyay

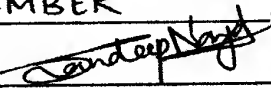
Executed this 18 day of December, 2001.

  
Jay Zhou

Executed this 18 day of DECEMBER, 2001.

  
Simeon Gordon

Executed this 18 day of DECEMBER, 2001.

  
Sandeep Nayak

**ASSIGNMENT**

For valuable and sufficient consideration from Illinois Tool Works Inc. (hereinafter referred to as "Assignee"), a Delaware corporation having its principal place of business at 3600 West Lake Avenue, Glenview, Illinois 60026-1215, receipt of such consideration being hereby acknowledged on authority of, and as legal representative, I/ we,

\_\_\_\_\_  
Mark Croll

\_\_\_\_\_  
**for Optum, Inc.**

hereby sell, assign and convey unto Assignee, its successors and assigns, the entire right, title and interest:

(1) in and to the inventions of the patent application entitled "SUPPLY CHAIN MANAGEMENT", Non-Provisional United States Patent Application No. 10/028,542 filed on 19-DEC-2001;

(2) in and to any PCT Patent Application, United States Patent Application and/or United States Provisional Application(s) and in and to all other patent applications now or hereafter filed in the United States and countries foreign to the United States (including divisional, continuation, reexamination, and reissue applications, and legal equivalents thereof) based upon said invention, and in and to the patent or patents granted thereon or issued therefrom, including reissues or the like thereof, if any, to the full end of the term or terms for which said patent or patents may be granted or issued.

I/we agree that any patent applications of any countries foreign to the United States which may be filed under any applicable international treaties and/or conventions based upon said invention(s) shall be filed in the name of Assignee with the right to claim priority to any earlier filed applications based upon said invention(s).

I/we hereby further agree that I/we shall, upon demand of Assignee, its successors or assigns, and without further consideration to me/us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to be a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by me/us.

I/we hereby further agree and authorize the Commissioner of Patents and Trademarks of the United States and all other appropriate government officials for applicable countries foreign to the United States to issue any and all above-identified patents to Assignee.

\_\_\_\_\_  
Name



\_\_\_\_\_  
August 27, 2007  
Date

\_\_\_\_\_  
Vice President, Optum, Inc.

Title